

May 16, 2008

Reply to the Office Action dated February 18, 2008

Page 2 of 11

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-14 (canceled).

Claim 15 (currently amended): A display device, comprising:
a display element having a display function; and
a functional element having a function different from that of the display element;
wherein:

the functional element is laminated on the display element so as to be confined in a planar area of the display element; and

the display element includes a thin film substrate;

the thin film substrate provided with a circuit element of a display section, the thin film substrate having has provided directly thereon:

(i) a circuit block of a display system which circuit block processes that is arranged to process an externally inputted video signal so as to drive the display section and that includes a plurality of transistors arranged in any array to control corresponding pixels of the display element; and

(ii) a circuit block of a separate system, which circuit block processes that is arranged to process a signal regarding the functional element; and

the circuit block of the separate system receives and sends the signal through a flexible printed circuit board which is connected to the thin film substrate and which enables connection to an external device.

May 16, 2008

Reply to the Office Action dated February 18, 2008

Page 3 of 11

Claim 16 (previously presented): The display device according to Claim 15, wherein the circuit block of the separate system on the display element, and the functional element to be laminated on the display element, are connected through (i) a first printed circuit board, which is said printed circuit board for connecting the display element to the external device, and (ii) a second flexible printed circuit board, a first end of which is connected to the functional element and a second end of which is connected to a middle portion of the first printed circuit board.

Claim 17 (previously presented): The display device according to Claim 15, wherein the printed circuit board for connecting the display element to the external device inputs the video signal into the display element.

Claim 18 (canceled).

Claim 19 (previously presented): The display device according to Claim 15, wherein: a plurality or plural types of said functional element are provided, and said thin film substrate is provided with a plurality or plural types of circuit blocks of separate systems corresponding to the plurality or plural types of said functional element.

Claim 20 (canceled).

Claim 21 (previously presented): The display device according to Claim 15, wherein: said functional element is either a sound source element for generating a sound corresponding to an audio signal or a sound collection element for collecting a voice so as to convert the voice into the audio signal, or
when the plurality or plural types of said functional element are provided, at least one of the plurality or plural types of said functional element is either the sound source element or the sound collection element.

May 16, 2008

Reply to the Office Action dated February 18, 2008

Page 4 of 11

Claim 22 (previously presented): The display device according to Claim 15, wherein:
said functional element is a touch panel which is disposed on a side of a display surface
of the display element and which outputs a signal corresponding to an input position of an
operator, or

when the plurality or plural types of said functional element are provided, at least one
of the plurality or plural types of said functional element is the touch panel.

Claim 23 (previously presented): The display device according to Claim 15, wherein:
said functional element is an image-processing substrate which is disposed on a side of a
back surface of the display element and which subjects the video signal to image processing
based on an externally inputted control signal, or

when the plurality or plural types of said functional element are provided, at least one
of the plurality or plural types of said functional element is the image-processing substrate.

Claim 24 (previously presented): The display device according to Claim 15, wherein:
said functional element is a separate display element to be laminated on the display
element, or

when the plurality or plural types of said functional element are provided, at least one
of the plurality or plural types of said functional element is the separate display element.

Claim 25 (previously presented): The display device according to Claim 15, wherein the
thin film substrate has a thin film layer including a polycrystalline silicon thin film.

Claim 26 (previously presented): The display device according to Claim 15, wherein the
thin film substrate has a thin film layer including a continuous grain boundary silicon thin film.

Claim 27 (previously presented): The display device according to Claim 15, wherein the
display element performs display by using a liquid crystal.

Application No. 10/554,077

May 16, 2008

Reply to the Office Action dated February 18, 2008

Page 5 of 11

Claim 28 (previously presented): The display device according to Claim 15, wherein the display element performs display by using an EL layer.